THE OPTICAL

MAGIC LANTERN

JOURNAL

AND

PHOTOGRAPHIC ENLARGER.

EDITED BY J. HAY TAYLOR.

VOL. I.—JUNE, 1889, to MAY, 1890.

LONDON:

PUBLISHED BY MESSRS. WOODFORD FAWCETT AND CO.,

DORSET WORKS, SALISBURY SQUARE, E.C.

1890.

INDEX TO VOL. I.

PAGE.

Advertising by means of the lantern 69
Advice to whom it concerns 46
Africa, The lantern in 20
Association, A Lantern... ... ... 45, 47, 55, 71, 79

Battered lanterns, To renovate... 39
Binding for slides, Metallic 15
Bi-unial lantern for scientists 85
Body, The lantern 2
Bromide paper, Enlarging on 4

Candle power, To ascertain 36, 47
Changing slides in single lantern 44
Colouring slides 55, 63
Competitions of lantern slides 60
Condensers 12
„ and object glasses, Relation of focus of ... 71
Crystal Palace Exhibition 84
„ „ Optical lantern at 85
Cylinder, Explosion of 7, 75, 79
„ Experiment with 87
„ Gauging contents of a 68
Cylinders, Charging at home 93

Dark rooms 38, 46, 63
Daylight enlargements, Arrangements for 54
„ exhibitions, How to darken windows ... 11
Detective cameras and enlarging 15
Deterioration of slides 62
Developer for transparencies 94
Diagram slides without photography 3, 31
Discs and their relation to lens 22
„ Defective lantern 15

Early photography and the lantern 7
Editorial Table 14, 23, 30, 39, 46, 55, 62, 77, 87
Enlarging, An arrangement for daylight 54
„ and detective cameras 15
„ on bromide paper 4
Ether saturators and limelight matters 53
Experiments with light... ... ... 23, 31
Explosion of a gas cylinder 7, 75, 79

Facile hand camera 77
Fading of slides 47
Flashes on lantern topics ... 21, 29, 45, 53, 60, 78
Focus of condenser and objective 71
Focus, What's the 95
Fronts of lanterns, Supports for 61

Gauging contents of gas cylinder 69
Gelatine lantern slides 28
Giah hand camera 91
Glass dissolved by water 52

PAGE.

Hackney Photo Society... 96
Hand cameras for obtaining lantern slides 77, 91
Hardwich on Scott's saturator 76
Hints to oxygen makers 37

Ireland, Photographic Society of 87, 96

Lantern As an aid to sign painting 52
„ Association, A 45, 47, 55, 71
„ diagrams 31
„ flange screws 31, 39
„ Novel use for a 30
„ Photography as applied to a... 14
„ slides on gelatine 28
„ slide statuary 10
„ Society 95
„ topics, Flashes on 20, 29, 44, 53, 60, 78
„ transparencies, How I make 38
Lanterns and accessories 13, 28, 37
„ To renovate battered 39
Lantern slide making 60, 76, 86
Light, A curious experiment with 23, 31
„ for lanterns 27
„ Position of the 90
„ To ascertain candle power of a... ... .. 36, 47
Limelight 23
„ A new... ... ... 37, 59, 70
„ matters 53
Liverpool Amateur Photographic Society 85
Livingstone, Anecdote of 20

Magic lantern: its construction, illumination, optics and uses.
Chapter 1—The lantern body 2
„ 2—Condensers 12
„ 3—Object glass 18
„ 4—The light 26
„ 5—Dissolvers 34
„ 6—The tank 42
„ 7—Carriers 50
„ 8—Opaque lantern 58, 78
„ 9—Management of light 66, 74
„ 10— „ „ Scott's saturator 82
„ 11—Position of the light 90
Magic lantern in photographic studios... 7
Marking lantern slides 59
Megascope 15
Metallic binding for slides 15
Moonlight effect 6
Muybridge's experiences 68

Names by which lantern is known 2

	PAGE.
Notes 9, 17, 25, 33, 41, 49, 57, 65, 73, 81, 89	
,, and Queries 16, 24, 32, 40, 48, 56, 64, 72, 80, 88, 96	
Novel use for the lantern	30
Object glass for lanterns	18
Odds and ends	69
Oil, Smell of, in lanterns	3
Opaque lanterns...	59
Optical lantern, Mr. Pringle on the	84
,, ,, at the Crystal Palace	85
Oxygen, Two hints about	37
,, cylinders, experiments with	87
,, Simple apparatus for generating	92
Parabolic reflectors, Fallacies respecting	55
Patents 14, 23, 31, 39, 55, 63,	87
Photo-etching	63, 72
Photographic studios, The lantern in	7
Photography as applied to the lantern...	14
Photography (early) and the lantern	7
Photoramic and phono-photoramic effects ...	44
,, camera	83
Polyopticon, Foote's	78
Pringle (Mr.) on the optical lantern	84
Projected pictures	7
Projection	6
Readers, To our	1
Reflector, Correct form of a	11
Reflectors, Fallacies in parabolic	55
Renovating battered lanterns	39
Scientists' Bi-unial lantern	85
Scott's warm bath saturator, management of	82
Screens	20
Screws for lantern flanges	31, 39
Season, Should the lantern have a	95
Selections... ... .. 8, 16, 24, 32, 40, 56, 64, 80,	88
Sign painting, Lantern as an aid to	52
Single lantern, Changing slides in	44
Slides, Competition in	60
,, Deterioration of	62
,, (diagram) without aid of photography ...	3
,, Fading of	47
,, on gelatine plates	6
,, To colour...	63
,, To make	60, 76, 86, 94
,, To mark	59
Smell of oil in lantern	3
Society lantern nights	39
Statuary slides	10
Stereoscopic relief on the lantern screen	94
Stevens Institute...	23
Supports for lantern fronts	61, 92
Tank for lantern, Experiments with	42
Tap on gas bag	95
Tecktoquinone	11
Titles on photographs, To write	6
Trade union, A	63
Transparencies from prints without a camera ...	75
,, How I make	38
,, on gelatine plates	6
Warm air saturator, Hardwich on	76
Windows, How to darken	11

WOODFORD FAWCETT & C.° PRINTERS, DORSET WORKS, SALISBURY SQUARE, E.C.